

ENVIRONMENTAL PRODUCT DECLARATION

as per ISO 14025 and EN 15804+A2

**Preliminary – EPD
still in verification**

Owner of the Declaration	Schöck Bauteile GmbH
Publisher	Institut Bauen und Umwelt e.V. (IBU)
Programme holder	Institut Bauen und Umwelt e.V. (IBU)
Declaration number	EPD-SBG-20260610-CBI1-EN
Issue date	EPD in verification, issuance expected for November 2026
Valid to	

Fassadenanker Isolink®
Schöck Bauteile GmbH



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General Information

Schöck Bauteile GmbH

Programme holder

IBU – Institut Bauen und Umwelt e.V.
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 10117 Berlin
 Germany

Declaration number

EPD-SBG-20260610-CBI1-EN

This declaration is based on the product category rules:

Wall plugs made of plastic and metal, 01.08.2021
 (PCR checked and approved by the SVR)

Issue date

EPD in verification, issuance expected for November 2026

Valid to

EPD in verification

[Unterschrift]

Name of Chairman
 (Chairman of Institut Bauen und Umwelt e.V.)

EPD in verification

Name of Managing Director
 (Managing Director Institut Bauen und Umwelt e.V.)

Fassadenanker Isolink®

Owner of the declaration

Schöck Bauteile GmbH
 Schöckstraße 1
 76534 Baden-Baden
 Germany

Declared product / declared unit

1 kg of average Isolink® anchor with a diameter of 12 mm.

Scope:

This EPD relates to a representative average thermal insulation element from Schöck Bauteile GmbH - Schöck Isolink® - and covers types C-EH, C-ED, C-SH, C-SD, C-Y and F-S.

The glass fiber reinforced polymer (GFRP) material required to produce of Schöck Isolink® C-EH, C-ED, C-SH, C-SD, C-Y and F-S is entirely manufactured and processed at the Schöck plant in Landsberg (near Halle, Germany).

The owner of the declaration shall be liable for the underlying information and evidence; the IBU shall not be liable with respect to manufacturer information, life cycle assessment data and evidences.

The EPD was created according to the specifications of EN 15804+A2. In the following, the standard will be simplified as *EN 15804*.

Verification

The standard EN 15804 serves as the core PCR

Independent verification of the declaration and data according to ISO 14025:2011

EPD in verification

Steffen Steier,
 (Independent verifier)

Product

Product description/Product definition

The Schöck Isolink® types C-EH, C-ED, C-SH, C-SD, C-Y and F-S represent an alternative to conventional stainless steel anchors when connecting the concrete skins of core-insulated sandwich and element walls.

The Schöck Isolink® made from the GFRP material with a nominal diameter of 12 mm is an anchor comprising a glass fibre composite material. The anchor has a profiling mould in the shape of a trapezoidal thread with a profile depth of 0.6 to 0.75 mm and a lead of 8 mm. Types C-ED and C-SD have a perpendicular end. Type C-EH and C-SH are angled. The anchor's function is based on exploiting the connection between the glass fibre connecting bar and the concrete.

As with the other Isolink® types, type F-S consists of the Combar material but also has a stainless steel screw (see *EPD-EJO-20210153-IBK1-DE*) and thus provides thermally broken spaced installation. It is available in nominal diameters of 12, 16, 20, 25 and 32 mm.

The use of the product is subject to the respective national regulations at the place of use, for example, in Germany, the building regulations of the federal states and the technical provisions based on these regulations.

Application

Schöck Isolink® types C-EH, C-SH, C-ED, C-SD and C-Y provide static transmission of tensile, compressive and shear forces when connecting triple layer reinforced concrete walls (facing shells - insulating layer - load-bearing layer). The load-bearing layer can comprise a precast element or a combination of a precast element and an in-situ concrete layer. Depending on the design of the facing shell (self-supporting or supported), a combination of Schöck Isolink® C-EH or C-SH and C-ED or C-SD is required.

Schöck Isolink® type F-S allows a permanent thermally isolated spaced installation of loads from an add-on component to the brickwork or concrete substructure. The anchoring to the substructure is achieved with an approved injection system. Add-on components are fixed using stainless steel crews (see *EPD-EJO-20210153-IBK1-DE*).

The Schöck Isolink® types allow façades to have a continuous thermally insulated design. As a rule, local imperfections within the thermal insulation layer must be taken into account when assessing the thermal insulation of outer walls. However, a façade design which is free of thermal bridges is always possible with Schöck Isolink® due to its static and thermal insulation parameters as the Isolink® anchors influence the flat U value for the outer walls by less than 3% and can therefore be ignored in accordance with *DIN EN ISO 6946:2018-03*.

Technical Data

The technical data for the products which are within the scope of the EPD are based on the relevant building authority approvals (*Z-1.6-238; abZ-21.8-1894; abZ-21.8-2082; ATEX-1717; ETA-17/0773; ETA-24/0945; ETA-1124; ETA-25/0604; K92424; KOT-2022/1638*) and are therefore subject to continuous internal and external monitoring which ensures permanent compliance with the values.

Structural engineering data for Schöck Combar

Name	Value	Unit
Characteristic tensile strength f_{tk}	>1000	N/mm ²
Design value for the tensile strength f_{td}	445	N/mm ²
Modulus of elasticity	60.000	N/mm ²
Characteristic compressive strength f_{pk}	264	N/mm ²
Design value for the tensile strength for C30/37	2,3	N/mm ²
Nominal cross-section Ø12	113	mm
Nominal value	0,3	kg/m
Electrical resistance R	>10 ¹⁰	Ωm
Thermal conductivity λ	0,7	W/m*K
Specific mass ρ	2,200	g/cm ³

Performance values for the product with respect to its features in accordance with the relevant technical provision (*Z-1.6-238; abZ-21.8-1894; abZ-21.8-2082; ATEX-1717; ETA-17/0773; ETA-24/0945; ETA-1124; ETA-25/0604; K92424; KOT-2022/1638*).

Base materials/Ancillary materials

Main component GFRP, consisting of:

vinyl ester resin: 13 M.-%

glass fibre: E-CR (E-Glass Corrosion Resistant): 87 M.-%

Additional components depending on the various types:

screw (type F-S); see *EPD-EJO-20210153-IBK1-DE* → 51 M.-% GFRP

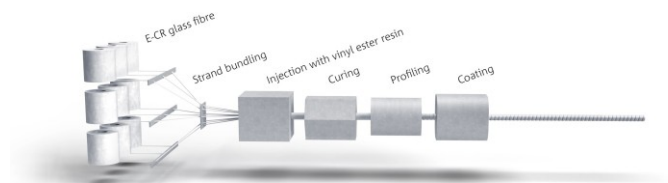
spacer (type C-SH, C-SD or C-Y) → 99 M.-% GFRP

1) The product/commodity/at least one sub-product contains substances on the ECHA list of Substances of Very High Concern (SVHC) (as of December 2020) at more than 0.1% by mass which require approval: **No**.

2) The product/commodity/at least one sub-product contains other CMR substances in Category 1A or 1B, which are not on the candidate list, at more than 0.1% by mass in at least one sub-product: **No**

3) Biocide products have been added to the building product in question or it has been treated with biocide products (it is thus a treated product as defined in the Biocidal Products Regulation (EU) No. 528/2012): **No**

Manufacture



The product is manufactured in a 'pultrusion' process. E-CR rovings are bundled together and impregnated with a vinyl ester resin. The glass fibres are shaped by a pultrusion process in which they are drawn through a die. The bars are then profiled and cut to length. Schöck Isolink® C-SH, C-SD and C-Y are provided with an appropriate spacer. Schöck Isolink® F-S is provided with a hole in the end face and prefitted with a stainless steel screw (see *EPD-EJO-20210153-IBK1-DE*).

Quality management - production:

Certified quality management in accordance with DIN EN ISO 9001.

Occupational health and safety – production:

Certified occupational health and safety management in accordance with DIN EN ISO 45001.

Environmental protection – production:

Certified environmental management in accordance with DIN EN ISO 14001 and energy management in accordance with DIN EN ISO 50001.

Reference service life

Schöck Isolink® types have a minimum service life of 50 years confirmed through test scenarios which corresponds to average building use and building design. However, the actual service life can be considerably longer. The service life complies with

fatigue tests which simulate a service life of 50 years using load spectra (temperature, deformation, environmental influences) and are part of the approval by building authorities. A further precondition for the service life is that the necessary conditions for packaging, transport, storage, installation and use are met.

The test scenario for meeting a general construction authority certification from the German Institute for Construction Technology includes corresponding fatigue tests which simulate the ageing process for Schöck Isolink®. These tests have not revealed any appearance of ageing in the material over the nominal service life.

A Reference Service Life (RSL) according to *ISO 15686* has not been declared.

LCA: Calculation rules

Declared Unit

This declaration relates to 1kg of the average Isolink® façade anchor with a diameter of 12 mm.

Declared unit

Name	Value	Unit
Declared unit	1	kg
Gross density	2200	kg/m ³

Averaging for Isolink product was done based on the production volumes.

Out of the four products (Isolink C 12mm; Isolink F 12mm, 16mm, 20mm), a weighted average product composition was calculated. Although, Isolink F products consist of ~50% of steel, the production volume in total does not cover more than 2.5%, therefore, the discrepancy in LCA results with the average product is not considered to be relevant.

Since Isolink C product covers 97.5% of the average product composition, the discrepancy in LCA is within range of -2.0 to 0.4% for all categories except Resource use, mineral and metals explained by the steel content in the average product.

System boundary

Type of the EPD: cradle to gate with options, modules C1-C4 and module D (A1-A3 + C + D and additional modules: A4 and A5)

Module A1 to A3:

These modules consider the manufacturing of system components/raw materials in particular glass fibre, the transport to the production site and the production processes of the product under study. The impact of packaging materials is included.

Transport efforts of raw materials and pre-products are considered in module A2.

Emission factor of electricity mix: 0.02 kg CO₂ eq. / kWh.

Module A4:

This module considers 100 km truck transport to site (diesel driven, EURO 6, 34 - 40t total load, 61% utilization). The transport distance can be modified project specific if required by linear scaling.

Module A5:

Manual installation is considered. Treatment and disposal of packaging material due to incineration is considered. Benefits for potential avoided burdens due to energy substitution of electricity and thermal energy generation are declared in module D and affects only the rate of primary material (no secondary materials).

Module B1 to B7: are not declared.

Module C1 to C4:

Manual dismantling → no loads (C1)

50 km transport by 34 - 40t truck, EURO 6, 61% average utilization (C2)

Thermal treatment of inert materials. No credits in the Module D are considered. Stainless steel parts are recycled and modelled according to the net-scrap approach.

Module D:

Metals are assumed to reach the end of waste status directly after transport to the waste processing site. The treatment and benefits for avoided primary production (for the net scrap amount only) are grouped to module D.

For the thermal and electrical energy generated in Module A5 due to thermal treatment of packaging and product waste, avoided burdens have been calculated by the inversion of electricity grid mix and thermal energy from natural gas, using European datasets.

Geographic Representativeness

Land or region, in which the declared product system is manufactured, used or handled at the end of the product's lifespan: Europe

Comparability

Basically, a comparison or an evaluation of EPD data is only possible if all the data sets to be compared were created according to *EN 15804* and the building context, respectively the product-specific characteristics of performance, are taken into account. The background data has been taken from the latest available Sphera LCA FE (GaBi) database CUP 2026.1.

LCA: Scenarios and additional technical information

Characteristic product properties of biogenic carbon

Information on the biogenic carbon content of the relevant packaging:

Cardboard and wood packaging approx. 0.0138 kg C/DU.

Information to describe the biogenic carbon content at the factory gate

Name	Value	Unit
Biogenic carbon content in product	-	kg C
Biogenic carbon content in accompanying packaging	0.0138	kg C

Note: 1 kg of biogenic carbon is equivalent to 44/12 kg of CO₂.

Transport to the building site (A4)

Name	Value	Unit
Litres of fuel	0.003	l/100km
Transport distance	100	km
Capacity utilisation (including empty runs)	61	%

Installation in the building (A5)

In Module A5 the disposal of the listed packaging materials is considered.

Name	Value	Unit
Wooden pallet	0.00013	kg
PE-Film	0.00072	kg
Cardboard	0.02978	kg

End of life cycle (C1-C4)

Once the usage phase has run its course, this is followed by manual disassembly (C1), transport (50 km) to the disposal site, incineration of the Isolink component at an inert materials, and recycling of the stainless steel component.

Name	Value	Unit
Collected as mixed construction waste	1	kg
Recycling	0.014	kg
Incineration without energy recovery	0.986	kg

Module D: Reuse and Recovery

Metals are assumed to reach the end of waste status directly after transport to the waste processing site. The treatment and benefits for avoided primary production (for the net scrap amount only) are grouped to module D.

For the thermal and electrical energy generated in Module A5 due to thermal treatment of packaging and product waste, avoided burdens have been calculated by the inversion of electricity grid mix and thermal energy from natural gas, using European datasets.

LCA: Results Please note – EPD in verification

Below is a representation of the environmental impact of 1 kg of the average Isolink product with a diameter of 12 mm as produced by Schöck Bauteile GmbH in Germany according to EN 15804+A2 (EF 3.1). The modules in accordance with EN 15804 marked with an 'X' are declared. The modules marked 'ND' (Not Declared) are not part of this process.

The following tables show the results of the indicators from the impact assessment, the consumption of resources, including to waste, and other output flows relevant to the declared unit.

DESCRIPTION OF THE SYSTEM BOUNDARY (X = INCLUDED IN LCA; MND = MODULE OR INDICATOR NOT DECLARED; MNR = MODULE NOT RELEVANT)

Product stage			Construction process stage		Use stage							End of life stage				Benefits and loads beyond the system boundaries
Raw material supply	Transport	Manufacturing	Transport from the gate to the site	Assembly	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
X	X	X	X	X	MND	MND	MNR	MNR	MNR	MND	MND	X	X	X	MND	X

RESULTS OF THE LCA - ENVIRONMENTAL IMPACT according to EN 15804+A2: 1 kg average Isolink product 12mm

Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	D
GWP-total	kg CO ₂ eq	2.3E+00	7.87E-03	4.98E-02	0	3.82E-03	1.05E-01	-5.05E-02
GWP-fossil	kg CO ₂ eq	2.32E+00	7.78E-03	2.81E-03	0	3.77E-03	1.05E-01	-5.05E-02
GWP-biogenic	kg CO ₂ eq	-2.36E-02	6.1E-05	4.69E-02	0	2.96E-05	6.61E-04	1.16E-04
GWP-luluc	kg CO ₂ eq	2.13E-03	3.36E-05	1.03E-06	0	1.63E-05	2.33E-04	-8.82E-05
ODP	kg CFC11 eq	7.49E-11	3.71E-15	1.23E-14	0	1.8E-15	1.79E-12	-5.13E-13
AP	mol H ⁺ eq	1.45E-02	1.17E-05	1.22E-05	0	5.68E-06	2.92E-04	-1.96E-04
EP-freshwater	kg P eq	5.63E-06	1.99E-08	8.8E-10	0	9.66E-09	2.99E-07	-2.6E-08
EP-marine	kg N eq	2.01E-03	4.48E-06	4.45E-06	0	2.18E-06	1.1E-04	-3.2E-05
EP-terrestrial	mol N eq	2.22E-02	4.83E-05	5.58E-05	0	2.34E-05	1.21E-03	-3.56E-04
POCP	kg NMVOC eq	6.37E-03	1.05E-05	1.17E-05	0	5.1E-06	2.85E-04	-9.46E-05
ADPE	kg Sb eq	2.76E-06	5.68E-10	1.1E-10	0	2.76E-10	1.33E-08	-9.77E-07
ADPF	MJ	4.15E+01	1.03E-01	1.38E-02	0	4.97E-02	1.61E+00	-6.97E-01
WDP	m ³ world eq deprived	2.54E-01	3.19E-05	5.42E-03	0	1.55E-05	1.21E-01	-1.56E-02

GWP = Global warming potential; ODP = Depletion potential of the stratospheric ozone layer; AP = Acidification potential of land and water; EP = Eutrophication potential; POCP = Formation potential of tropospheric ozone photochemical oxidants; ADPE = Abiotic depletion potential for non-fossil resources; ADPF = Abiotic depletion potential for fossil resources; WDP = Water (user) deprivation potential

RESULTS OF THE LCA - INDICATORS TO DESCRIBE RESOURCE USE according to EN 15804+A2: 1 kg average Isolink product 12mm

Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	D
PERE	MJ	1.94E+01	7.3E-03	5.81E-03	0	3.54E-03	5.93E-01	-1.82E-01
PERM	MJ	1.92E-03	0	-1.92E-03	0	0	0	0
PERT	MJ	1.94E+01	7.3E-03	3.89E-03	0	3.54E-03	5.93E-01	-1.82E-01
PENRE	MJ	3.72E+01	1.03E-01	4.69E-02	0	4.97E-02	5.84E+00	-6.97E-01
PENRM	MJ	4.27E+00	0	-3.31E-02	0	0	-4.23E+00	0
PENRT	MJ	4.15E+01	1.03E-01	1.38E-02	0	4.97E-02	1.61E+00	-6.97E-01
SM	kg	3.81E-02	0	0	0	0	0	5.44E-03
RSF	MJ	0	0	0	0	0	0	0
NRSF	MJ	0	0	0	0	0	0	0
FW	m ³	9.79E-03	2.28E-06	1.27E-04	0	1.11E-06	3E-03	-8.81E-04

PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non-renewable primary energy excluding non-renewable primary energy resources used as raw materials; PENRM = Use of non-renewable primary energy resources used as raw materials; PENRT = Total use of non-renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non-renewable secondary fuels; FW = Use of net fresh water

RESULTS OF THE LCA – WASTE CATEGORIES AND OUTPUT FLOWS according to EN 15804+A2: 1 kg average Isolink product 12mm

Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	D
HWD	kg	2.32E-08	4.74E-12	7.95E-12	0	2.3E-12	1.16E-09	-5.06E-10
NHWD	kg	3.65E-01	1.97E-05	1.49E-03	0	9.58E-06	4.45E-01	-2.49E-03
RWD	kg	1.3E-03	1.61E-07	5.59E-07	0	7.83E-08	9.65E-05	-2.06E-05

CRU	kg	0	0	0	0	0	0	0
MFR	kg	0	0	0	0	0	1.38E-02	0
MER	kg	0	0	0	0	0	0	0
EEE	MJ	0	0	6.74E-02	0	0	0	0
EET	MJ	0	0	1.22E-01	0	0	0	0

HWD = Hazardous waste disposed; NHWD = Non-hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy

RESULTS OF THE LCA – additional impact categories according to EN 15804+A2-optional: 1 kg average Isolink product 12mm

Parameter	Unit	A1-A3	A4	A5	C1	C2	C3	D
PM	Disease incidence	1E-07	1.14E-10	6.94E-11	0	5.52E-11	5.12E-09	-2.79E-09
IR	kBq U235 eq	2.01E-01	2.11E-05	8.2E-05	0	1.02E-05	1.45E-02	-2.91E-03
ETP-fw	CTUe	1.3E+01	8.82E-02	6.12E-03	0	4.28E-02	5.47E-01	-2.14E-01
HTP-c	CTUh	4.01E-10	1.75E-12	3.45E-13	0	8.48E-13	2.04E-11	-6.52E-11
HTP-nc	CTUh	1.3E-08	9.07E-11	8.09E-12	0	4.4E-11	6.4E-10	-1.89E-10
SQP	SQP	9.36E+00	2.75E-02	3.82E-03	0	1.33E-02	4.19E-01	-1.11E-01

PM = Potential incidence of disease due to PM emissions; IR = Potential Human exposure efficiency relative to U235; ETP-fw = Potential comparative Toxic Unit for ecosystems; HTP-c = Potential comparative Toxic Unit for humans (cancerogenic); HTP-nc = Potential comparative Toxic Unit for humans (not cancerogenic); SQP = Potential soil quality index

Disclaimer 1 – for the indicator 'Potential Human exposure efficiency relative to U235'. This impact category deals mainly with the eventual impact of low- dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure or radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, radon and from some construction materials is also not measured by this indicator.

Disclaimer 2 – for the indicators 'abiotic depletion potential for non-fossil resources', 'abiotic depletion potential for fossil resources', 'water (user) deprivation potential, deprivation weighted water consumption', 'potential comparative toxic unit for ecosystems', 'potential comparative toxic unit for humans – cancerogenic', 'Potential comparative toxic unit for humans not cancerogenic', 'potential soil quality index'. The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high as there is limited experience with the indicator.

The results from the impact assessment are only relative statements which give no information about the endpoint of the impact categories, exceeding of threshold values, safety margins or risk.

References

ATEX-1717

CSTB - Technical Report Schöck Isolink® (valid from 08.09.2010)

DIN EN ISO 6946

DIN EN ISO 6946:2018-03: Building components and building elements - Thermalresistance and thermal transmittance - Calculation methods

DIN EN ISO 9001

Quality management systems — Requirements

DIN EN ISO 14001

Environmental management systems — Requirements with guidance for use

DIN EN ISO 45001

Occupational health and safety management systems

DIN EN ISO 50001

Energy management systems — Requirements with guidance for use

EN 15804 + A2

EN 15804:2012+A2:2019+AC:2021, Sustainability of construction works — Environmental Product Declarations — Core rules for the product category of construction products.

EN ISO 14025

EN ISO 14025:2011, Environmental labels and declarations — Type III environmental declarations — Principles and procedures.

ETA-1124

ITB - European Technical Assessment: Schöck Isolink® C-Y for sandwich walls made of concrete (valid from 22.09.2025)

ETA-17/0773

DIBt - European Technical Assessment: Schöck Isolink® C for multi-layer concrete panels, (valid from 27.10.2023)

ETA-24/0945

ITB - European Technical Assessment: Schöck Isolink® C-ED and C-SD for multi-layer concrete panels (valid from 31.03.2025)

ETA-25/0604

ETA Danmark - European Technical Assessment: Schöck Isolink® F - distance fixing system (valid from 08.08.2025)

IBU Part A

PCR - Part A: Calculation Rules for the Life Cycle Assessment and Requirements on the Project Report according to EN 15804+A2:2019, version 1.4, Institut Bauen und Umwelt e.V., www.bau-umwelt.com, 2024

IBU Part B

PCR – Part B: Requirements on the EPD for Reinforcing and securing systems made from glass fibre composite materials, Institut Bauen und Umwelt e.V., www.bau-umwelt.com, from 01/08/2021

K92424/02

KOMO® Certificate of Conformity: Schöck Isolink® C -Anchors for concrete sandwich structures (valid from 05.05.2023)

KOT-2022/1638

ITB - Isolink® C-SH, S-SD, C-EH and C-ED (valid from 31.03.2022 - 31.03.2027)

PCF-EJOT-4200553330 / -4200554330 / -4200552330

Product Carbon Footprint in accordance with DIN EN ISO 14067, Cradle-to-Gate: EJOT SE & Co. KG, Bad Berleburg - DELTA PT Double Bolt 80x34-DS/M8x39/EP / 100x35-DS/M12x50/EP11 / 60x28-DS/M6x37/EP5 (valid from 01.01.2026 – 31.12.2026)

Report 17055MH/14_2

Classification Report on Reinforced Concrete Sandwich Walls with Schöck Thermo Anchors

Sphera LCA FE (fka GaBi ts)

Sphera LCA for Experts, LCA FE, software-system and databases, Managed LCA content MLC (fka GaBi database),

University of Stuttgart and Sphera Solutions GmbH, 2026, CUP Version: 2026.1, MLC data set documentation under <https://lcadatabase.sphera.com/> (April 2026)

Z-1.6-238

National technical approval / general construction technique permit Z-1.6-238: Reinforcing Bar Schöck Combar® (valid from 02.01.2024 - 02.01.2029)

Z-21.8-1894

National technical approval / general construction technique permit Z-21.8-1894: Schöck Isolink® for multi-layer concrete panels, (valid from 25.11.2024 - 23.11.2029)

Z-21.8-2082

National technical approval / general construction technique permit Z-21.8-2082: Schöck Isolink® F for anchoring in concrete and masonry, (valid from 22.09.2023 - 01.10.2026)

EPD in Verification



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